

Seokmin Shin

List of Publications by Year in descending order

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759233

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citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene quantum dots prevent α -synucleinopathy in Parkinson's disease. <i>Nature Nanotechnology</i> , 2018, 13, 812-818.	31.5	339
2	Replica-Exchange Method Using the Generalized Effective Potential. <i>Physical Review Letters</i> , 2003, 91, 058305.	7.8	91
3	Monte Carlo simulation study of recombination dynamics in solution. <i>Journal of Chemical Physics</i> , 1996, 105, 7705-7711.	3.0	21
4	On the numerical solutions of kinetic equations for diffusion-influenced bimolecular reactions. <i>Journal of Chemical Physics</i> , 1998, 108, 5861-5869.	3.0	20
5	Inducing changes in the bond length of diatomic molecules by time-symmetric chirped pulses. <i>Physical Review A</i> , 2010, 82, .	2.5	19
6	The role of the acidic domain of α -synuclein in amyloid fibril formation: a molecular dynamics study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 376-383.	3.5	19
7	Formation of ordered structure in Langmuir monolayers of semifluorinated hydrocarbons: Molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 1999, 110, 10239-10242.	3.0	17
8	Graphene Quantum Dots Alleviate Impaired Functions in Niemann-Pick Disease Type C in Vivo. <i>Nano Letters</i> , 2021, 21, 2339-2346.	9.1	17
9	Molecular events in the light of strong fields: A light-induced potential scenario. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 608-621.	2.0	15
10	Ultrafast coherent control of giant oscillating molecular dipoles in the presence of static electric fields. <i>Journal of Chemical Physics</i> , 2013, 139, 084306.	3.0	14
11	Oscillating molecular dipoles require strongly correlated electronic and nuclear motion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 043001.	1.5	14
12	Molecular dynamics studies of semifluorinated hydrocarbon monolayers. <i>Journal of Chemical Physics</i> , 1999, 111, 6556-6564.	3.0	12
13	Computational Studies of Essential Dynamics of <i>Pseudomonas cepacia</i> Lipase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 18, 297-309.	3.5	12
14	Prediction of helical peptide folding in an implicit water by a new molecular dynamics scheme with generalized effective potential. <i>Journal of Chemical Physics</i> , 2002, 116, 6831-6835.	3.0	11
15	Ultrafast photodissociation assisted by strong non-resonant Stark effect: the "straddling" control pulse. <i>Journal of Modern Optics</i> , 2009, 56, 811-821.	1.3	11
16	Folding simulations with novel conformational search method. <i>Journal of Chemical Physics</i> , 2007, 126, 104906.	3.0	10
17	Tuning of the Band Structures of Zigzag Graphene Nanoribbons by an Electric Field and Adsorption of Pyridine and BF ₃ : A DFT Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20054-20061.	3.1	10
18	Two-Pulse Control of Large-Amplitude Vibrations in H ₂ ⁺ . <i>ChemPhysChem</i> , 2013, 14, 1405-1412.	2.1	10

#	ARTICLE	IF	CITATIONS
19	Laser adiabatic manipulation of the bond length of diatomic molecules with a single chirped pulse. <i>Journal of Chemical Physics</i> , 2011, 134, 144303.	3.0	9
20	Ultrafast Population Inversion without the Strong Field Catch: The Parallel Transfer. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1724-1728.	4.6	9
21	One-electron model for photodissociation dynamics of diatomic anion. <i>Journal of Chemical Physics</i> , 1998, 109, 10087-10095.	3.0	8
22	State-Selective Excitation of Quantum Systems via Geometrical Optimization. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 4005-4010.	5.3	7
23	Structure of 4-biphenylthiolate on Au nanoparticle surfaces studied by UV-Vis absorption spectroscopy, transmission electron microscopy and surface-enhanced Raman scattering. <i>Surface and Interface Analysis</i> , 2004, 36, 43-48.	1.8	6
24	“Stirred, Not Shaken” Vibrational Coherence Can Speed Up Electronic Absorption. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9091-9097.	2.5	6
25	The Hydrogen molecular cation as a molecular antenna. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 174005.	1.5	5
26	Electron Attachment to the (O ₂ · ⁻ ·CO ₂) van der Waals Complex Results in a Monomeric Anion (O ₂ · ⁻ CO ₂) ⁻ , a Possible Form of CO ₄ ⁻ . <i>Journal of Physical Chemistry A</i> , 2021, 125, 5794-5799.	2.5	5
27	Effects of a quantum-mechanically driven two-state gating mode on the diffusion-influenced bimolecular reactions. <i>Journal of Chemical Physics</i> , 1997, 107, 9864-9877.	3.0	4
28	Site-dependent effects of methylation on the electronic spectra of jet-cooled methylated xanthine compounds. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22375-22384.	2.8	4
29	Computational Study on Structure and Aggregation Pathway of A β ₄₂ Amyloid Protofibril. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7859-7868.	2.6	4
30	Control defeasance by anti-alignment in the excited state. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23620-23625.	2.8	4
31	Site-Specific Backbone and Side-Chain Contributions to Thermodynamic Stabilizing Forces of the WW Domain. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7108-7116.	2.6	4
32	Simulated Q-annealing: conformational search with an effective potential. <i>Journal of Molecular Modeling</i> , 2012, 18, 213-220.	1.8	3
33	Laser control of the RbCs bond. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	3
34	Grid-Based Ehrenfest Model To Study Electron·Nuclear Processes. <i>Journal of Physical Chemistry A</i> , 2019, 123, 7171-7176.	2.5	3
35	Dynamics and Entropy of Cyclohexane Rings Control pH-Responsive Reactivity. <i>Jacs Au</i> , 2021, 1, 2070-2079.	7.9	3
36	Computational Study on Removal of Epoxide from Narrow Zigzag Graphene Nanoribbons. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27123-27130.	3.1	2

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37	A Molecular Dynamics Study on Controlling the Self-Assembly of β -Sheet Peptides with Designer Nanorings. Chemistry - an Asian Journal, 2015, 10, 1684-1689.	3.3	2
38	Conformational sampling of metastable states: Tq-REM as a novel replica exchange method. Physical Chemistry Chemical Physics, 2017, 19, 5454-5464.	2.8	2
39	Geometrical Optimization Approach to Isomerization: Models and Limitations. Journal of Physical Chemistry A, 2017, 121, 8280-8287.	2.5	2
40	Computational Insights into the Aggregation Pathway of Self-Assembled Nanotubules. Journal of Physical Chemistry B, 2021, 125, 12082-12094.	2.6	0
41	Electrocatalytic Oxygen Reduction Reaction Improved By Facilitated Proton Transfer. ECS Meeting Abstracts, 2020, MA2020-02, 3632-3632.	0.0	0
42	Mutation effects on FAS1 domain 4 based on structure and solubility. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2022, 1870, 140746.	2.3	0